

Abstract

2 Disclosed is a novel method and apparatus for acquiring multiple  
3 capacitively sensed measurements from a circuit under test. Multiple digital  
4 sources are respectively connected to stimulate multiple respective first ends  
5 of multiple respective nets of interest. Respective second ends of the  
6 multiple respective nets of interest are capacitively sensed. The respective  
7 capacitively coupled signals are digitally sampled and shift correlated with  
8 respective expected digital signatures. If a high level of correlation is found  
9 for a given net, the net is electrically intact; otherwise, the net is  
10 characterized by either an open or some other fault that prevents it from  
meeting specification.